

INTERNATIONAL SEARCH REPORT

PCT/IB/03014

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09K11/06 H01L51/30 H05B33/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09K H01L H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 989 785 A (INOBUCHI KAZUHIRO ET AL) 23 November 1999 (1999-11-23) cited in the application figures 1-6 example 1	1-15
X	US 5 703 436 A (FORREST STEPHEN R ET AL) 30 December 1997 (1997-12-30) figures 1A-C figures 2A-C claims 1-29	1-15
X	WO 00 70690 A (STURT CLIFFORD MARK ;KAWASE TAKEO (GB); SEIKO EPSON CORP (JP)) 23 November 2000 (2000-11-23) the whole document	1-15
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

15 October 2003

Date of mailing of the international search report

24/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Saldamli, S

INTERNATIONAL SEARCH REPORT

PCT/IB/91/03014

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 034 192 A (KITTLESEN GREGG P ET AL) 23 July 1991 (1991-07-23) figures 2, 4A, 6, 7 -----	1-15

INTERNATIONAL SEARCH REPORT

PCT/IB/03014

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5989785	A	23-11-1999	JP 8227793 A	03-09-1996
US 5703436	A	30-12-1997	US 5707745 A	13-01-1998
			AT 246845 T	15-08-2003
			AU 2278197 A	22-09-1997
			CA 2248283 A1	12-09-1997
			CN 1215500 A ,B	28-04-1999
			DE 69723964 D1	11-09-2003
			EP 0885451 A1	23-12-1998
			ES 2157694 A1	16-08-2001
			FR 2745955 A1	12-09-1997
			IT MI970488 A1	07-09-1998
			JP 2000507029 T	06-06-2000
			WO 9733296 A1	12-09-1997
			US 2002153243 A1	24-10-2002
			US 2001000005 A1	15-03-2001
			US 6264805 B1	24-07-2001
			AT 220246 T	15-07-2002
			AU 690413 B2	23-04-1998
			AU 4509396 A	10-07-1996
			BR 9510076 A	30-12-1997
			CA 2206769 A1	27-06-1996
			CN 1293425 A	02-05-2001
			CN 1291068 A	11-04-2001
			CN 1170383 A ,B	14-01-1998
			DE 19581862 T0	11-12-1997
			DE 69527308 D1	08-08-2002
			DE 69527308 T2	06-03-2003
			EP 1119059 A2	25-07-2001
			EP 0808244 A2	26-11-1997
			ES 2117590 A1	01-08-1998
			FI 972176 A	17-07-1997
			FR 2728082 A1	14-06-1996
			FR 2732480 A1	04-10-1996
			FR 2732481 A1	04-10-1996
			GB 2313478 A ,B	26-11-1997
			IT MI952610 A1	13-06-1996
			JP 10503878 T	07-04-1998
			JP 2001273979 A	05-10-2001
			NO 972706 A	11-08-1997
			PL 320750 A1	27-10-1997
			RU 2160470 C2	10-12-2000
			WO 9619792 A2	27-06-1996
			US 2001014391 A1	16-08-2001
			US 5721160 A	24-02-1998
			US 5757026 A	26-05-1998
			US 6358631 B1	19-03-2002
			US 6030700 A	29-02-2000
WO 0070690	A	23-11-2000	GB 2350479 A	29-11-2000
			AU 4598300 A	05-12-2000
			EP 1105926 A2	13-06-2001
			WO 0070690 A2	23-11-2000
			JP 2003500799 T	07-01-2003
			US 6472817 B1	29-10-2002
US 5034192	A	23-07-1991	US 4895705 A	23-01-1990
			US 4721601 A	26-01-1988

INTERNATIONAL SEARCH REPORT

PCT/IB/03014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5034192	A	AU 605057 B2	03-01-1991
		AU 4787990 A	10-05-1990
		AU 589920 B2	26-10-1989
		AU 5030685 A	05-06-1986
		CA 1243419 A1	18-10-1988
		CA 1260159 A2	26-09-1989
		DE 3588098 D1	15-05-1996
		EP 0185941 A2	02-07-1986
		JP 2073456 C	25-07-1996
		JP 7095052 B	11-10-1995
		JP 62011159 A	20-01-1987
		US 4936956 A	26-06-1990
		US 4929313 A	29-05-1990
		US 4717673 A	05-01-1988
